

# JAPANESE PATENT OFFICE -- Patent Abstracts of Japan

Publication Number: 02223936 A

Date of Publication: 1990.09.06

IntClass: G02F 1/167

Application Number: 01043611

Date of Filing: 1989.02.25

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ELECTROPHORETIC DISPLAY DEVICE

AND ITS MANUFACTURE

## Abstract

**PURPOSE:** To easily and securely inject a dispersion system into respective holes by equipping a porous spacer with an adhesive layer which can be melt-stuck thermally and constituting one electrode plate flexibly.

**CONSTITUTION:** On the top surface of a rigid electrode plate where a necessary electrode pattern 2 is formed properly, the hot-melt porous spacer 8 where a dispersion system is divided into small sections and charged, and hot-melt adhesive layers 10 are formed on both surfaces of the spacer 8. On the top surface of the spacer 12, the flexible electrode plate made of a film base material 9 which has an electrode pattern 4 on the opposite surface from the rigid body side electrode pattern 2 is arranged while an electrode plate gap is left. The flexible electrode plate presses out the excessive dispersion system 7, which is supplied excessively to the respective holes of the porous spacer 8 while brought into contact with the spacer 8 by making a heat pressing force operate on the top surface of the flexible electrode plate and the flexible electrode plate and spacer 8 are melt-stuck together thermally. Consequently, the dispersion system 7 is charged completely in the respective holes of the

porous spacer 8 without leaving any empty hole.

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